

WHAT IS CLAIMED IS:

1. A flying head slider comprising:
a slider body;
a generally flat bottom surface defined on the slider body;
a front rail standing on the bottom surface at an upstream position;
a front air bearing surface defined on the front rail;
a rear rail standing on the bottom surface at a downstream position; and

a rear air bearing surface defined on the rear rail,
wherein

an upstream end of the bottom surface is defined along a first datum line extending in a lateral direction of the slider body, and an upstream end of the front air bearing surface is defined along a second datum line intersecting the first datum line at a predetermined inclined angle.

2. The flying head slider according to claim 1, wherein said front rail is designed to define a front surface standing on the bottom surface at a position distanced downstream from the upstream end of the bottom surface.

3. The flying head slider according to claim 2, wherein said front rail extends in the lateral direction of the slider body.

4. A flying head slider comprising:
a slider body;
a generally flat bottom surface defined on the slider body;

a front rail standing on the bottom surface at an upstream position so as to extend in a lateral direction of the slider body;

a front air bearing surface defined on a top surface of the front rail;

a rear rail standing on the bottom surface at a downstream position;

a rear air bearing surface defined on the rear rail;

a front surface defined on the front rail so as to stand on the bottom surface at a position distanced downstream from an upstream end of the bottom surface;

a step connected to an upstream end of the front air bearing surface on the front rail;

a first columnar piece standing on the bottom surface along the front surface; and

a second columnar piece standing on the bottom surface along the front surface so as to define an air clogging dished space adjacent the front surface in cooperation with the first columnar piece.

5. The flying head slider according to claim 4, wherein an upstream end of the bottom surface is defined along a first datum line extending in a lateral direction of the slider body, and an upstream end of the front air bearing surface is defined along a second datum line intersecting the first datum line at a predetermined inclined angle.

6. The flying head slider according to claim 5, wherein said front rail extends in the lateral direction of the slider body.